



Utah Department of Environmental Quality,

Cummins Rocky Mountain, the Utah Department of Environmental Quality and various Utah School Districts have partnered together to clean the air for our most precious asset, our children. Using the latest in retrofit technology for diesel engines, together we are significantly reducing the output of diesel engine exhaust emissions.

The technology package in use is a Diesel Oxidation Catalyst, or DOC and a Closed Crankcase Ventilation system, or CCV. The DOC replaces the muffler and contains a high tech ceramic catalyst with a precious platinum coating on the ceramic core. As the exhaust gas exits the engine and passes over the ceramic catalyst, a chemical reaction takes place that reduces the exhaust emissions. The CCV collects and filters the crankcase fumes from the engine, that were formerly vented to the atmosphere, and returns clean air to the intake of the engine, further reducing emissions and external oil drips that resulted from normal engine operation.

Combined, the Diesel Oxidation Catalyst and Closed Crankcase Ventilation system reduce engine Blow-by Gases by 100%, Hydrocarbons (HC) by 74%, Carbon Monoxide (CO) by 50% and Particulate Matter (PM) by 30%. These devices are manufactured by Cummins Emissions Solutions, one of the Cummins Inc. companies.

Cummins Rocky Mountain is pleased to participate in this retrofit project, along with many others in the Rocky Mountain area. Las Vegas, NV and Boise, ID school districts have worked with Cummins to retrofit over 1,300 buses there.

Cummins and Cummins Rocky Mountain are proud to work hand in hand with these School Districts to make our environment a better place to live, breathe and work.

Scott Bentz
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